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## **BEYER WEAVER & THOMAS, LLP**

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### **FACSIMILE COVER SHEET**

August 24, 2005

Receiver: U.S. Patent and Trademark Office

TEL #:

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Sender: Susan W. Xu for Ramin Mahboubian

Our Ref. No.: SUN1P231C1

Re: Application No. 10/080,793

Pages Including Cover Sheet(s): (05)

#### **MESSAGE:**

Sir:

Please deliver the attached Applicant Initiated Interview Request Form for the above referenced application to Examiner Pham.

Please enter this in the file.

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#### **CONFIDENTIALITY NOTE**

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AUG 24 2005

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re application of: Click Jr. et al.

Attorney Docket No.: SUN1P231C1/P3911

Application No.: 10/080,793

Examiner: PHAM, CHRYSTINE

Filed: February 20, 2002

Group: 2192

Title: AUTOMATIC STUB/ADAPTER  
GENERATOR

Confirmation No.: 2841

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**CERTIFICATE OF FACSIMILE TRANSMISSION**

I hereby certify that this correspondence is being transmitted by facsimile to fax number 571-273-8300 of the U.S. Patent and Trademark Office on August 24, 2005.

Signed: \_\_\_\_\_

  
Susan W. Xu**APPLICANT INITIATED INTERVIEW REQUEST FORM**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Tentative Participants:

- 1) R. Mahboubian  
3)

- 2)  
4)

Proposed Date of Interview: August 30, 2005

Proposed Time: 2:00 PM (Eastern Time)

Type of Interview Requested:

☒ Telephone      ☐ Personal      ☐ Video Conference

Exhibit to be Shown or Demonstrated: ☐ Yes      ☒ No  
If yes, provide brief description:

**ISSUES TO BE DISCUSSED**

Issues (Rej., Obj., etc.)	Claims/ Fig., #s	Prior Art	Discussed	Agreed	Not Agreed
1) 103	Claim 1	McQuistan et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SUN1P231C1/P3911

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**BRIEF DESCRIPTION OF ARGUMENTS TO BE PRESENTED:**

The Examiner's rejection is traversed for the following reasons:

**a) *McQuistan et al.* does NOT teach or suggest an adapter that can facilitate translation of an execution stack (Claim 1)**

It is noted that the interpreter described by *McQuistan et al.* "creates an argument stack for a function completely at runtime." (*McQuistan et al.*, Col. 7, lines 4-25). Contrary to the Examiner's assertion, it is respectfully submitted that *McQuistan et al.* does NOT teach translating an execution stack. Clearly, *McQuistan et al.* describes an argument stack and not an execution stack that can be used for compiled code. Accordingly, it is respectfully submitted that the Examiner's rejection is improper. Moreover, it is respectfully submitted that the cited art does NOT teach or suggest an adapter that can facilitate translation of an execution stack.

**b) The cited art does NOT teach or suggest an adapter/stub that can behave as an adapter or a stub for a virtual machine (Claim 1)**

It is respectfully submitted that the cited art does NOT teach this feature. In fact, the cited art does NOT teach an adapter between compiled code and interpreter in the context of the claimed invention. Accordingly, it is respectfully submitted that claim 1 is patentable over the cited art for this additional reason.

**c) The cited art does NOT teach or suggest determining whether to provide an interpreter to compiled code (I/C) adapter or a compiled code to interpreter (C/I) adapter (Claim 1)**

It is respectfully submitted that claim 1 is patentable for yet this additional reason.

1. **(Proposed Amendment)** ~~In a computer system, a~~ A method for generating providing an adapter/stub for a virtual machine during runtime, wherein the adapter/stub can behave as an adapter or a stub for the virtual machine, said method comprising:

identifying a machine state input parameter for a machine state;

identifying input parameters for a call to compiled code;

mapping the machine state input parameter and the machine state to the input parameters for the call to compiled code;

mapping the machine state and return value to an exit point of an interpreter to compiled code adapter;

generating an adapter/stub that can behave as an adapter or a stub for the virtual machine;

determining whether to provide the adapter/stub as an adapter or as a stub for the virtual machine;

providing a stub representation to a compiler for compilation[[:]] and generating object code based on the compilation when the determining determines to provide the adapter/stub as a stub;

determining whether to provide an interpreter to compiled code (I/C) adapter or a compiled code to interpreter (C/I) adapter when the determining determines to provide the adapter/stub as an adapter;

providing an interpreter to compiled code (I/C) adapter that facilitates translation of a first execution stack used by an interpreter associated with the virtual machine when the determining determines to provide the interpreter to compiled code (I/C) adapter, so that the first execution stack can subsequently be used to execute compiled-code compiled by a compiler associated with the virtual machine; and

providing a compiled code to interpreter (C/I) adapter that facilitates translation of a second execution stack used for execution of compiled code compiled by a compiler associated with the virtual machine when the determining determines to provide the compiled code to interpreter (C/I) adapter, so that the second execution stack can subsequently be used by an interpreter associated with the virtual machine.

An interview was conducted on the above-identified application on

\*Note: This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP §713.01). This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 C.F.R. 1.33(b)) as soon as possible.

\_\_\_\_\_  
(Applicant/Applicant's Representative)  
Signature)

\_\_\_\_\_  
(Examiner/SPE Signature)